**PART I**
**APPENDIX A**

# CONTINENTAL STEEL CORPORATION

# SUPERFUND SITE

# FACT SHEET

# CONTINENTAL STEEL SUPERFUND SITE
## Source Control and Management of Migration
## Kokomo, Howard County, Indiana

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**PUBLIC MEETING**

The Indiana Department of Environmental Management (IDEM) invites the public to attend a meeting and to submit comments on the proposed Remedial Action for the Continental Steel Superfund Site (CSSS). Oral and written comments will be taken at the public meeting. Oral comments can also be submitted through a special IDEM CSSS toll-free number at (888) 272-1080. Written comments can also be mailed to IDEM before the end of the public comment period. The comment period begins on February 23, 1998 and ends on March 24, 1998.

**DATE:**
Thursday, March 5, 1998
**TIME:**
7:00 - 9:00 p.m.
**PLACE:**
Kokomo City Hall
Ralph W. Neal Council Chambers
Kokomo, Indiana
**AGENDA:**
IDEM representatives will discuss:
Site background
Proposed Actions
Planned site activities

### *Introduction*

The Proposed Plan Summary presented in this fact sheet outlines the cleanup alternatives considered by IDEM and the U.S. Environmental Protection Agency (EPA) for reducing risks to human health and the environment at the Continental Steel Superfund Site in Kokomo, Howard County, Indiana. This Summary presents a brief explanation of the recommended Source Control and Management of Migration alternatives for the CSSS. The cleanup alternative objectives for each source area at the CSSS are based on exposure levels and associated risks posed by contamination within a source area and by contamination that may migrate from the source areas via groundwater. There are six separate and distinct components or areas associated with the Source Control and Management of Migration alternatives for CSSS. **These separate components in Superfund are called Operable Units (OUs) and are shown on the site location map in Figure A.**

There are six separate operable units associated with CSSS. Each OU's alternative is presented

and explained separately within this fact sheet.
The evaluation criteria used by IDEM and EPA in making their recommendations have been included in this fact sheet. For more detailed information, consult the Remedial Investigation and Feasibility Study Reports, the Proposed Plan, and other related material located in the public information repository (Repository) at the Kokomo/Howard County Public Library (Public Library).
Based on new information or public comments, IDEM and EPA may modify the recommended alternatives or select other alternatives presented in the Proposed Plan. Citizens are encouraged to review and comment on all technical reports and alternatives considered for this Remedial Action.

## *Site Location and Features*

The Continental Steel Superfund Site is located on West Markland Avenue in Kokomo, Indiana. The total site encompasses approximately 183 acres and consists of an abandoned steel manufacturing facility (Main Plant), pickling liquor treatment lagoons (Lagoon Area), a former waste disposal area (Markland Avenue Quarry), and a former waste disposal and slag processing area (Slag Processing Area).
In addition, the Wildcat and Kokomo creeks extend some 20,000 feet within the CSSS. They have been impacted by direct discharge of material, runoff from the source areas, and upstream sources. These creeks are designated for recreational use.
Groundwater throughout the area has been affected by the CSSS operations. The groundwater is included in the CSSS cleanup as a management of migration of contamination component or Site-wide Groundwater.
The four operation-related source areas, the creeks, and groundwater were designated as operable units. The term "source area" is used interchangeably with "operable unit." A total of six (6) source areas make up the CSSS. The source areas of the site are listed below by operable unit (OU):

| | |
|---|---|
| OU1 | Side-wide Groundwater |
| OU2 | Lagoon Area |
| OU3 | Wildcat & Kokomo creeks |
| OU4 | Markland Avenue Quarry |
| OU5 | Main Plant Property |
| OU6 | Slag Processing Area |

The site is located in a mixed residential, commercial, and industrial area and is mainly zoned for general use. Residential properties lie mostly to the east and southeast of the site. Mixed residential and industrial areas lie to the north and west.

### *Site Description and History*

Continental Steel was built in 1914. Throughout its 72-year history, the plant produced nails, wire, and wire fence from scrap metal. Operations included reheating, casting, rolling, drawing, pickling, annealing, hot-dip galvanizing, tinning, and oil tempering. The steel manufacturing operations at the plant included the use, handling, treatment, storage, and disposal of hazardous materials.
CSSS was operated by Continental Steel and its predecessors from approximately 1914 to 1986, when the company entered into bankruptcy. The Main Plant has a covenant on the deed which

restricts development to industrial use only.

### U.S. EPA Removal Actions

During the Remedial Investigation, IDEM and EPA completed several response actions to remove hazardous substances that potentially posed an immediate threat to human health and the environment. A summary of the removal actions follows:

**February 1990:** EPA began removal actions at the Main Plant and Markland Avenue Quarry. During 1990, drums at the quarry and Main Plant were collected, staged, analyzed, and disposed. Capacitors and transformers were removed. Some tank liquids were analyzed and disposed, and seven underground storage tanks were removed. Various chemicals were also removed from a laboratory facility at the Main Plant. PCB-contaminated surface soils were removed from the former drum staging area at the quarry. Surface drums were over-packed, sampled, and disposed. A berm was also constructed.

**May 1990:** EPA staged and sampled many drums at the Main Plant. Tank content samples were collected and the liquids removed and disposed. Capacitor and transformer oils were analyzed, drained, and disposed.

**August 1993:** The Main Plant area was sampled for PCBs, polycyclic aromatic hydrocarbons (PAHs), asbestos, and lead. Approximately 90 cubic yards of lead-contaminated dust were consolidated, containerized, and stored on-site. Lead-contaminated debris was separated, stockpiled and covered for future disposal. Lead was removed from several of the buildings. Asbestos presence was confirmed in the buildings. EPA sampled sewers and drained the acid from tank T-18. The acid was disposed off-site.

**October 1993:** One cubic yard of PCB-contaminated soil was excavated from the western portion of the Main Plant and disposed off-site. Various drums collected throughout the site from previous removal efforts were disposed off-site.

**Fall 1994:** EPA removed contents and cleaned above ground storage tanks numbered T-l, T-2, T-20, and T-21. Tanks T-14 and T-15 were emptied but not cleaned.

### Remedial Investigation Activities

The Remedial Investigation (RI) field program was completed at the CSSS in two phases. Phase I was conducted in 1993. This investigation addressed the Lagoon Area, the Wildcat and Kokomo Creeks, and much of site-wide groundwater.

Phase II of the RI was conducted in 1995. This phase addressed Markland Avenue Quarry, the Main Plant, the Slag Processing Area and data gaps identified from the Phase I source areas. These data gaps included site-wide groundwater, the Lagoon Area, and the Creeks.

Additional data is also available from 1993-94 EPA emergency response actions and from other sources on file at IDEM and the public information repository.

In June 1996, the Indiana State Department of Health (ISDH) performed environmental radiation surveys in the Slag Processing Area, Lagoon Area, and the former laboratory area in the Main Plant. They concluded that there is no evidence of widespread radiological contamination in the areas surveyed. However, ISDH recommended that radiation monitoring be performed on all CSSS materials removed from the site, prior to disposal, as a precautionary health and safety measure.

### Site Risks

The analytical data compiled in Phases I and II of the RI were reviewed, and contaminants of potential concern (COPCs) were selected for human health risk evaluation. COPCs were selected for each source area based on frequency of detection, maximum concentration detected,

background concentration, potential toxicity, Applicable Relevant and Appropriate Requirements (ARARs), and the potential future use of the groundwater or property.
All COPCs are addressed in detail in the Feasibility Study (FS), which is available in the information repository at the Public Library.

### *Evaluation Criteria of Alternatives*

In order to minimize the potential or prevent the exposure to hazardous materials, IDEM and EPA are proposing to cleanup the source areas associated with the CSSS. In addition, the groundwater underlying the CSSS has been identified as a threat to human health. The recommended alternative for each source area and the site-wide groundwater is described in separate sections within this Proposed Plan Summary. The Proposed Plan (available in the repository) contains a complete description and evaluation of all alternatives considered. The purpose of the detailed evaluation of alternatives is to provide enough relevant information for each alternative so that each may be evaluated against the nine criteria listed below. The alternatives are then compared against each other to identify the advantages and disadvantages. IDEM used the nine criteria described below to evaluate the cleanup alternatives. An evaluation table comparing each alternative against these criteria is provided in the section describing each proposed alternative. The evaluation criteria are listed in bold print and summarized below:
**Overall Protection of Human Health and the Environment** addresses whether a remedy provides adequate protection and describes how risks posed through each pathway are eliminated, reduced, or controlled through treatment, engineering controls, or institutional controls.
**Compliance with ARARs** addresses whether a remedy will meet all of the applicable or relevant and appropriate requirements of Federal and State environmental statutes and/or provides grounds for invoking a waiver.
**Long-Term Effectiveness and Permanence** refers to the amount of risk remaining at a site and the ability of a new remedy to maintain reliable protection of human health and the environment, over time, once cleanup goals have been met.
**Reduction of Toxicity, Mobility, or Volume through Treatment** is the anticipated performance of the treatment technologies that may be employed in a remedy.
**Short-Term Effectiveness** refers to the speed with which the remedy achieves protection, as well as the remedy's potential to create adverse impacts on human health and the environment that may result during the construction and implementation period.
**Implementability** is the technical and administrative feasibility of a remedy, including the availability of materials and services needed to implement the chosen solution.
**Cost** addresses the estimated capital and operation and maintenance costs, as well as a present worth cost. Present worth is the total cost of an alternative in terms of today's dollars.
**Support Agency Acceptance** indicates whether, based on its review of the Removal Action plan, the support agency (in this case, the U.S. EPA) concurs with, opposes, or has no comment on the recommended alternative.
**Community Acceptance** will be assessed in the **Record of Decision (ROD)** (the document that describes the selected cleanup plan) following a review of the public comments received on the FS and the Proposed Plan during the public meeting and the 30-day comment period.

### *Recommended Cleanup Alternatives*

IDEM and EPA believe that the recommended alternatives presented in this Proposed Plan Summary (and in detail in the Proposed Plan) provide the best balance of the nine criteria. IDEM

and EPA also believe the recommended alternatives will be protective of human health and the environment in both the short and long-term. A more detailed comparison of the alternatives is presented in the Proposed Plan and the Feasibility Study.
These documents are available in the Repository at the Public Library.

### *The Next Step*

IDEM will accept comments from the community during a public comment period from February 23 to March 24, 1998. Written comments can be sent directly to IDEM at the address listed below. Verbal and written comments can also be made at the public meeting to be held on Thursday, March 5, 1998 at the Kokomo City Hall - Ralph W. Neal Council Chambers. IDEM, in consultation with EPA, will consider public comments received during the comment period before choosing final actions for the site. The final actions will be developed and presented in a ROD. A summary of all comments received and IDEM responses will be transcribed in a Responsiveness Summary and attached to the ROD. These documents will be available at the information repository when finalized. Federal and State dollars will be used to pay for the remedial action.
Public comments are an important part of the selection process. Proposed cleanup decisions have been changed in the past because of public comment and input. This document serves to describe the remedial action proposed for selection by IDEM for the six operable units associated with the Continental Steel Superfund Site.

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### *Additional Information*

Anyone interested in learning more about the Superfund process, the Remedial Investigation, the Feasibility Study, the Main Plant Building Decontamination & Demolition, or the Residential Contaminated Soil Removal Action is encouraged to review these documents related to the site. An administrative record, including the information IDEM relied upon to choose the recommended alternative, is available in the Information Repository located at:
Kokomo/Howard County Public Library
Reference Section
220 North Union Street
Kokomo, IN
A copy of this information is also kept in the IDEM public file room which is located at:
Western Select Properties
Indiana Department of Environmental Management
2525 North Shadeland Avenue
Indianapolis, IN 46219
For further information, please contact:
Kevin Herron, CSSS Project Manager
Office of Environmental Response
P.O. Box 6015
Indianapolis, IN 46206-6015
(317) 308-3115
kherron@dem.state.in.us
Media inquires should be directed to:
Susan Gross, Coordinator
Office of Media and State-Federal Relations

P.O. Box 6015
Indianapolis, IN 46206-6015
(317) 308-3112
sgross@dem.state.in.us
ADA Information
Individuals requiring reasonable accommodations for participation at the public meeting should contact the IDEM Americans with Disabilities Act coordinator at:
Sandie Meanor, ADA Coordinator
Indiana Department of Environmental Management
100 North Senate Avenue
P. O. Box 6015
Indianapolis, IN 46206-6015
Or call (317) 233-1785(V) or (317) 233-6087(TT).
Please provide a minimum of 72 hours notification.
IDEM's toll-free number is: 1-800-451-6027
CSSS toll-free number is: 1-888-272-1080

## ***Glossary***

**Administrative Record (AR)** - A compilation of documents that IDEM either considered or relied upon in selecting remedial or removal actions to be taken at a Superfund site.
**Information Repository (Repository)** - A file containing current information such as technical reports, reference documents, and public involvement information on a State Cleanup site.
**Operable Units (OUs)** - The management units that a site may be divided into for investigation/or cleanup. Operable units may be defined by location, media or other commonalities.
**ARARs (Applicable or Relevant and Appropriate Requirements)** - Those cleanup standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal or state law that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a CERCLA site, or that address problems or situations sufficiently similar to those encountered at the CERCLA site that their use is well-suited to the particular site.
**Hazardous Waste** - Any material that poses a threat to human health and the environment.
**PCBs (Poly Chlorinated Biphenyls)** - A group of toxic, persistent chemicals used in transformers and capacitors for insulating purposes and in gas pipeline systems as a lubricant. Further sale or new use was banned by law in 1979.
**PAHs (Polycyclic Aromatic Hydrocarbons)** - A group of persistent chemicals formed during the incomplete burning of coal, oil, gas, refuse, or other organic substances.
**RI/FS (Remedial Investigation/Feasibility Study)** - Two distinct but related studies of the site. They are usually performed concurrently. They are intended to: (1) Gather the data necessary to determine the type and extent of a problem at a Superfund site; (2) Establish criteria for cleaning up the site; (3) Identify and screen cleanup alternatives for remedial action; and (4) Analyze in detail the technology and costs of the alternatives.
**Risk Assessment (RA)** - An evaluation of the extent of contamination and the current and potential risk to human health and the environment.
**ROD (Record of Decision)** - A legal document that explains which cleanup alternative(s) will be

used to cleanup Superfund remedial sites. The Record of Decision is based on information and technical analysis generated during the remedial investigation/feasibility study (RI/FS) and consideration of public comments and community concerns.

**Superfund** - The common name used for the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Re-authorization Act (SARA) of 1986. Superfund authorizes the federal government to respond directly to releases, or threatened releases of hazardous substances that may endanger public health and welfare, or the environment.

**Organic Substances** - Chemical substances containing the elements carbon and hydrogen.

**Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs)** - Compounds of primarily carbon, oxygen, and hydrogen characterized by their tendency to evaporate easily and quickly, especially when exposed to the air and sunlight. Examples of VOCs are trichloroethene, tetrachloroethene, toluene, benzene, methylene chloride, and vinyl chloride which may be chemicals that are in dry cleaning fluid, lighter fluid, paint thinners, degreasers, and components of gasoline.

**DNAPL (Dense Non-Aqueous Phased Liquid)** - DNAPL can be made up of either a single chemical or several chemical compounds. These compounds are heavier than water in their pure form and sink when introduce to water. The largest group of these compounds consists of chlorinated solvents (such as trichloroethene - TCE).

# PART I
# APPENDIX B

# BENCHMARK CHARASTERISTIC ANALYSIS

# OF DATA FROM FIXED STATIONS IN THE

# WILDCAT CREEK WATERSHED

# 1991 TO 1997

Station WC-3

| | Valid N | Mean | Confid. -95.000% | Confid. +95.000% | Median | Sum | Minimum | Maximum | Lower Quartile | Upper Quartile | Range | Quartile Range | Variance | Std.Dev. | Standard Error | Skewness | Std.Err. Skewness | Kurtosis | Std.Err. Kurtosis |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity (mg/l) | 21 | 230.619 | 216.3413 | 244.8968 | 230 | 4843 | 155 | 289 | 219 | 246 | 134 | 27 | 983.8476 | 31.36635 | 6.844698 | -0.46638 | 0.501195 | 0.950095 | 0.971941 |
| Ammonia (mg/l as N) | 21 | 0.057143 | 0.048982 | 0.065304 | 0.05 | 1.2 | 0.05 | 0.1 | 0.05 | 0.05 | 0.05 | 0 | 0.000321 | 0.017928 | 0.003912 | 2.201737 | 0.501195 | 3.138402 | 0.971941 |
| BOD (mg/l) | 19 | 1.521053 | 0.93215 | 2.109955 | 1.4 | 28.9 | 0.5 | 5.6 | 0.5 | 2.2 | 5.1 | 1.7 | 1.492865 | 1.221829 | 0.280307 | 2.206214 | 0.523767 | 6.425801 | 1.01427 |
| COD (mg/l) | 21 | 14.57619 | 11.90602 | 17.24636 | 14.3 | 306.1 | 2.5 | 29 | 11 | 17.1 | 26.5 | 6.1 | 34.4099 | 5.865996 | 1.280065 | 0.597737 | 0.501195 | 1.133041 | 0.971941 |
| Cyanide (mg/l) | 21 | 0.005238 | 0.004254 | 0.006222 | 0.005 | 0.131 | 0.005 | 0.025 | 0.005 | 0.005 | 0.02 | 0 | 1.9E-05 | 0.004358 | 0.000951 | 4.393593 | 0.501195 | 19.70723 | 0.971941 |
| Nitrate (mg/l as N) | 21 | 4.595238 | 3.226739 | 5.963738 | 4.4 | 96.5 | 0.5 | 10 | 2.6 | 6.4 | 9.5 | 3.8 | 9.038476 | 3.006406 | 0.656052 | 0.3604 | 0.501195 | -1.10461 | 0.971941 |
| Total Phosphorus (mg/l as P) | 21 | 0.139524 | 0.103958 | 0.17509 | 0.14 | 2.93 | 0.03 | 0.3 | 0.08 | 0.17 | 0.27 | 0.09 | 0.006105 | 0.078133 | 0.01705 | 0.418419 | 0.501195 | -0.58997 | 0.971941 |
| Total Solids (mg/l) | 21 | 459.6667 | 441.0102 | 478.3232 | 451 | 9653 | 396 | 560 | 438 | 475 | 164 | 37 | 1679.833 | 40.98577 | 8.943828 | 0.963229 | 0.501195 | 0.83678 | 0.971941 |
| Suspended Solids (mg/l) | 21 | 28.80952 | 13.1224 | 44.49665 | 15 | 605 | 2 | 130 | 8 | 35 | 128 | 27 | 1187.662 | 34.46247 | 7.520328 | 2.005247 | 0.501195 | 3.653708 | 0.971941 |
| Dissolved Solids (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Sulfate (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| TKN (mg/l as N) | 0 | | | | | | | | | | | | | | | | | | |
| *E. coli* (CFU/100ml) | 19 | 319.7368 | 94.562 | 544.9117 | 140 | 6075 | 5 | 1900 | 20 | 390 | 1895 | 370 | 218259.6 | 467.1827 | 107.1791 | 2.456301 | 0.523767 | 6.928514 | 1.01427 |
| TOC (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Hardness (mg/l) | 21 | 309.5238 | 292.7744 | 326.2732 | 314 | 6500 | 200 | 359 | 294 | 336 | 159 | 42 | 1353.962 | 36.79622 | 8.029594 | -1.27769 | 0.501195 | 2.656049 | 0.971941 |
| Chloride (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen (mg/l) | 17 | 10.30353 | 9.266481 | 11.34058 | 9.8 | 175.16 | 7.24 | 14.47 | 9.08 | 10.68 | 7.23 | 1.6 | 4.068312 | 2.017006 | 0.489196 | 0.931513 | 0.549747 | 0.133565 | 1.063198 |
| pH | 17 | 8.076471 | 7.920193 | 8.232748 | 8.12 | 137.3 | 7.3 | 8.54 | 8.06 | 8.3 | 1.24 | 0.24 | 0.092387 | 0.303952 | 0.073719 | -1.30948 | 0.549747 | 2.060675 | 1.063198 |
| Copper (ug/l) | 7 | 4.457143 | 1.852832 | 7.061454 | 4 | 31.2 | 2 | 9.2 | 2 | 7 | 7.2 | 5 | 7.929524 | 2.815941 | 1.064326 | 0.822298 | 0.793725 | -0.52155 | 1.587451 |
| Iron (ug/l) | 3 | 226.3333 | -320.009 | 772.6761 | 110 | 679 | 89 | 480 | | | 391 | | 48370.33 | 219.9326 | 126.9781 | 1.714302 | 1.224745 | | |
| Zinc (ug/l) | 7 | 11.27143 | 6.320634 | 16.22222 | 10 | 78.9 | 5.1 | 20 | 6.8 | 17 | 14.9 | 10.2 | 28.65571 | 5.353103 | 2.023283 | 0.79461 | 0.793725 | -0.43315 | 1.587451 |

Station: WC-60

| | Valid N | Mean | Confid. -95.000% | Confid. +95.000% | Median | Sum | Minimum | Maximum | Lower Quartile | Upper Quartile | Range | Quartile Range | Variance | Std.Dev. | Standard Error | Skewness | Std.Err. Skewness | Kurtosis | Std.Err. Kurtosis |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity (mg/l) | 83 | 200.1205 | 192.7343 | 207.5067 | 202 | 16610 | 123 | 278 | 181 | 222 | 155 | 41 | 1144.229 | 33.82646 | 3.712936 | -0.25153 | 0.264174 | -0.07255 | 0.522613 |
| Ammonia (mg/l as N) | 83 | 0.098193 | 0.0777 | 0.118685 | 0.05 | 8.15 | 0.05 | 0.6 | 0.05 | 0.1 | 0.55 | 0.05 | 0.008808 | 0.093849 | 0.010301 | 2.876778 | 0.264174 | 10.34935 | 0.522613 |
| BOD (mg/l) | 37 | 2.027027 | 1.60766 | 2.446394 | 1.7 | 75 | 0.5 | 5.8 | 1.3 | 2.3 | 5.3 | 1 | 1.582027 | 1.257787 | 0.206779 | 1.712177 | 0.387589 | 2.987091 | 0.758719 |
| COD (mg/l) | 83 | 22.24458 | 20.22523 | 24.26392 | 19.4 | 1846.3 | 8 | 48.6 | 16 | 27 | 40.6 | 11 | 85.52445 | 9.247943 | 1.015094 | 0.994536 | 0.264174 | 0.396931 | 0.522613 |
| Cyanide (mg/l) | 82 | 0.005634 | 0.005161 | 0.006107 | 0.005 | 0.462 | 0.005 | 0.018 | 0.005 | 0.005 | 0.013 | 0 | 4.6E-06 | 0.002152 | 0.000238 | 4.445278 | 0.265724 | 20.64767 | 0.525618 |
| Nitrate (mg/l as N) | 82 | 6.001463 | 5.325916 | 6.677011 | 5.65 | 492.12 | 0.2 | 15 | 4 | 7.6 | 14.8 | 3.6 | 9.452719 | 3.074527 | 0.339525 | 0.668075 | 0.265724 | 0.683223 | 0.525618 |
| Total Phosphorus (mg/l as P) | 83 | 0.330361 | 0.257252 | 0.403471 | 0.18 | 27.42 | 0.04 | 1.33 | 0.11 | 0.37 | 1.29 | 0.26 | 0.112104 | 0.334819 | 0.036751 | 1.553165 | 0.264174 | 1.244718 | 0.522613 |
| Total Solids (mg/l) | 83 | 528.2169 | 494.6881 | 561.7456 | 498 | 43842 | 287 | 1036 | 427 | 591 | 749 | 164 | 23577.88 | 153.5509 | 16.8544 | 1.032268 | 0.264174 | 0.792831 | 0.522613 |
| Suspended Solids (mg/l) | 83 | 19.63855 | 15.42339 | 23.85372 | 15 | 1630 | 2 | 166 | 10 | 26 | 164 | 16 | 372.6483 | 19.3041 | 2.1189 | 5.491741 | 0.264174 | 40.5 | 0.522613 |
| Dissolved Solids (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Sulfate (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| TKN (mg/l as N) | 1 | 0.05 | | | | 0.05 | 0.05 | 0.05 | | | | | | | | | | | |
| *E. coli* (CFU/100ml) | 80 | 2943.562 | 577.4691 | 5309.656 | 300 | 235485 | 5 | 90000 | 85 | 1350 | 89995 | 1265 | 1.1E+08 | 10632.26 | 1188.723 | 7.258717 | 0.268909 | 58.51186 | 0.531786 |
| TOC (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Hardness (mg/l) | 83 | 294.8795 | 283.9811 | 305.7779 | 301 | 24475 | 140 | 396 | 262 | 334 | 256 | 72 | 2491.132 | 49.91124 | 5.47847 | -0.57675 | 0.264174 | 0.159975 | 0.522613 |
| Chloride (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen (mg/l) | 59 | 9.652203 | 8.94944 | 10.35497 | 8.94 | 569.48 | 6.37 | 18.3 | 7.7 | 11.19 | 11.93 | 3.49 | 7.27218 | 2.696698 | 0.35108 | 1.220328 | 0.311176 | 1.310705 | 0.613257 |
| pH | 60 | 7.8905 | 7.794846 | 7.986154 | 7.92 | 473.43 | 6.97 | 8.83 | 7.68 | 8.135 | 1.86 | 0.455 | 0.13711 | 0.370284 | 0.047803 | -0.04692 | 0.308694 | 0.5029 | 0.608492 |
| Copper (ug/l) | 20 | 7.115 | 5.561118 | 8.668882 | 7.05 | 142.3 | 2 | 14 | 4.75 | 8.5 | 12 | 3.75 | 11.02345 | 3.320158 | 0.74241 | 0.173136 | 0.512103 | -0.26678 | 0.992384 |
| Iron (ug/l) | 8 | 421.25 | 222.0815 | 620.4185 | 360 | 3370 | 260 | 1000 | 310 | 385 | 740 | 75 | 56755.36 | 238.2338 | 84.22838 | 2.620242 | 0.752101 | 7.156787 | 1.48088 |
| Zinc (ug/l) | 20 | 27.1 | 21.32813 | 32.87187 | 20 | 542 | 10 | 46 | 19 | 40 | 36 | 21 | 152.0947 | 12.33267 | 2.757669 | 0.26859 | 0.512103 | -1.5009 | 0.992384 |

Station: WC-60

| | Valid N | Mean | Confid -95.000% | Confid +95.000% | Median | Sum | Minimum | Maximum | Lower Quartile | Upper Quartile | Range | Quartile Range | Variance | Std Dev | Standard Error | Skewness | Std Err. Skewness | Kurtosis | Std Err Kurtosis |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity (mg/l) | 83 | 200.1205 | 192.7343 | 207.5067 | 202 | 16610 | 123 | 278 | 181 | 222 | 155 | 41 | 1144.229 | 33.82646 | 3.712936 | -0.25153 | 0.264174 | -0.07255 | 0.522613 |
| Ammonia (mg/l as N) | 83 | 0.098193 | 0.0777 | 0.118685 | 0.05 | 8.15 | 0.05 | 0.6 | 0.05 | 0.1 | 0.55 | 0.05 | 0.008808 | 0.093849 | 0.010301 | 2.876778 | 0.264174 | 10.34935 | 0.522613 |
| BOD (mg/l) | 37 | 2.027027 | 1.60766 | 2.446394 | 1.7 | 75 | 0.5 | 5.8 | 1.3 | 2.3 | 5.3 | 1 | 1.582027 | 1.257787 | 0.206779 | 1.712177 | 0.387589 | 2.987091 | 0.758719 |
| COD (mg/l) | 83 | 22.24458 | 20.22523 | 24.26392 | 19.4 | 1846.3 | 8 | 48.6 | 16 | 27 | 40.6 | 11 | 85.52445 | 9.247943 | 1.015094 | 0.994536 | 0.264174 | 0.396931 | 0.522613 |
| Cyanide (mg/l) | 82 | 0.005634 | 0.005161 | 0.006107 | 0.005 | 0.462 | 0.005 | 0.018 | 0.005 | 0.005 | 0.013 | 0 | 4.6E-06 | 0.002152 | 0.000238 | 4.445278 | 0.265724 | 20.64767 | 0.525618 |
| Nitrate (mg/l as N) | 82 | 6.001463 | 5.325916 | 6.677011 | 5.65 | 492.12 | 0.2 | 15 | 4 | 7.6 | 14.8 | 3.6 | 9.452719 | 3.074527 | 0.339525 | 0.668075 | 0.265724 | 0.683223 | 0.525618 |
| Total Phosphorus (mg/l as P) | 83 | 0.330361 | 0.257252 | 0.403471 | 0.18 | 27.42 | 0.04 | 1.33 | 0.11 | 0.37 | 1.29 | 0.26 | 0.112104 | 0.334819 | 0.036751 | 1.553165 | 0.264174 | 1.244718 | 0.522613 |
| Total Solids (mg/l) | 83 | 528.2169 | 494.6881 | 561.7456 | 498 | 43842 | 287 | 1036 | 427 | 591 | 749 | 164 | 23577.88 | 153.5509 | 16.8544 | 1.032268 | 0.264174 | 0.792831 | 0.522613 |
| Suspended Solids (mg/l) | 83 | 19.63855 | 15.42339 | 23.85372 | 15 | 1630 | 2 | 166 | 10 | 26 | 164 | 16 | 372.6483 | 19.3041 | 2.1189 | 5.491741 | 0.264174 | 40.5 | 0.522613 |
| Dissolved Solids (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Sulfate (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| TKN (mg/l as N) | 1 | 0.05 | | | | 0.05 | 0.05 | 0.05 | | | | | | | | | | | |
| *E. coli* (CFU/100ml) | 80 | 2943.562 | 577.4691 | 5309.656 | 300 | 235485 | 5 | 90000 | 85 | 1350 | 89995 | 1265 | 1.1E+08 | 10632.26 | 1188.723 | 7.258717 | 0.268909 | 58.51186 | 0.531786 |
| TOC (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Hardness (mg/l) | 83 | 294.8795 | 283.9811 | 305.7779 | 301 | 24475 | 140 | 396 | 262 | 334 | 256 | 72 | 2491.132 | 49.91124 | 5.47847 | -0.57675 | 0.264174 | 0.159975 | 0.522613 |
| Chloride (mg/l) | 0 | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen (mg/l) | 59 | 9.652203 | 8.94944 | 10.35497 | 8.94 | 569.48 | 6.37 | 18.3 | 7.7 | 11.19 | 11.93 | 3.49 | 7.27218 | 2.696698 | 0.35108 | 1.220328 | 0.311176 | 1.310705 | 0.613257 |
| pH | 60 | 7.8905 | 7.794846 | 7.986154 | 7.92 | 473.43 | 6.97 | 8.83 | 7.68 | 8.135 | 1.86 | 0.455 | 0.13711 | 0.370284 | 0.047803 | -0.04692 | 0.308694 | 0.5029 | 0.608492 |
| Copper (ug/l) | 20 | 7.115 | 5.561118 | 8.668882 | 7.05 | 142.3 | 2 | 14 | 4.75 | 8.5 | 12 | 3.75 | 11.02345 | 3.320158 | 0.74241 | 0.173136 | 0.512103 | -0.26678 | 0.992384 |
| Iron (ug/l) | 8 | 421.25 | 222.0815 | 620.4185 | 360 | 3370 | 260 | 1000 | 310 | 385 | 740 | 75 | 56755.36 | 238.2338 | 84.22838 | 2.620242 | 0.752101 | 7.156787 | 1.48088 |
| Zinc (ug/l) | 20 | 27.1 | 21.32813 | 32.87187 | 20 | 542 | 10 | 46 | 19 | 40 | 36 | 21 | 152.0947 | 12.33267 | 2.757669 | 0.26859 | 0.512103 | -1.5009 | 0.992384 |

**PART I**
**APPENDIX C**

# WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT 1994-95

**APPENDIX C**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT 1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Mud Creek | Sharpsville | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 21.9 | E. coli> 235/100 ml |
| North Creek and Tributaries | Sharpsville | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 2.5 | E. coli> 235/100 ml |
| Irwin Creek | Sharpsville | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 5.3 | -- |
| Turkey Creek | Windfall | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 15.1 | E. coli> 235/100 ml |
| Askren Ditch | Windfall | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 1.9 | E. coli> 235/100 ml |
| Cottingham Ditch | Windfall | FS (Aquatic Life)<br>FS (Recreational) | Monitored (c) | -- | 2.9 | -- |

**APPENDIX C (Continued)**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT 1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Round Prairie Ditch | Windfall | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 3.8 | E. coli> 235/100 ml |
| Middle Fork River | West Liberty | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 7.6 | E. coli> 235/100 ml |
| Waters Ditch | West Liberty | FS (Aquatic Life)<br>FS (Recreational) | Monitored (c) | -- | 1.5 | -- |
| Paley Walk | West Liberty | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | -- | 4.7 | E. coli> 235/100 ml |
| Hutchertson Ditch | Point Isabel | FS (Aquatic Life)<br>FS (Recreational) | Monitored (c) | -- | 3.2 | -- |
| Grass Fork | Point Isabel | FS (Aquatic Life)<br>NS (Recreational) | Monitored(c) | E. coli | 9.4 | E. coli> 235/100 ml |
| Prairie Run | Point Isabel | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 2.8 | E. coli> 235/100 ml |

**APPENDIX C (Continued)**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT 1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Wildcat Creek | Kokomo | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 6.2 | E. coli> 235/100 ml. PCBs in fish tissue. Fish Consumption Advisory. No fish should be eaten. |
| Wildcat Creek | Kokomo | FS (Aquatic Life)<br>FS (Recreational) | Monitored (c) | E. coli | 5.3 | PCBs in fish tissue. Fish Consumption Advisory. No fish should be eaten. |
| Wildcat Creek | Kokomo | NS (Aquatic Lire)<br>NS (Recreational) | Monitored(c)(b) | E. coli<br>D. O.<br>CN<br>Lead | 2.9 | E. coli> 235/100 ml.<br>D.O. < 4.0 mg/l<br>CN > CAC of 0.0052 mg/l<br>Lead > CAC of 8.9 mg/l<br>Fish Consumption Advisory. No fish should be eaten. |
| Wildcat Creek | Kokomo | NS (Aquatic Life)<br>NS (Recreational) | Monitored (c) (b) | E. coli<br>CN<br>NH3 | 5.4 | E. coli> 235/100 ml.<br>CN > CAC of 0.0052 mg/l<br>NH3 > CCC of 0.5 mg/l<br>Fish Consumption Advisory. No fish should be eaten. |

**APPENDIX C (Continued)**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT 1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Wildcat Creek | Kokomo | FS (Aquatic Lire)<br>NS (Recreational) | Monitored (c) | E. coli | 14.9 | E. coli> 235/100 ml. Fish Consumption Advisory, PCBs in fish tissue. No fish should be eaten. |
| Wildcat Creek | Burlington | FS (Aquatic Life)<br>FS (Recreational) | Monitored (c) | B | 35.5 | Fish Consumption Advisory. PCBs in fish tissue. No fish should be eaten. |
| Roberts Ditch/Moon - Barclay Ditch | Burlington | FS (Aquatic Life)<br>FS (Recreational) | Evaluated | -- | 5.5 -- | |
| Shambaugh Run | Burlington | FS (Aquatic Life)<br>NS (Recreational) | -- | E. coli | 0.5 | Sewage from Kokomo STP |
| Edwards Ditch | Burlington | FS (Aquatic Life)<br>FS (Recreational) | Evaluated | -- | 0.5 -- | |
| Kokomo Reservoir | Greentown | FS (Aquatic Life)<br>FS (Recreational) | Monitored (c) | -- | 390 Acres | -- |

**APPENDIX C (Continued)**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT**
**1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Prairie Creek Ditch | Kokomo | NS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli<br>D.O. | 2.3 | E. coli> 235/100 ml.<br>D.O. of 1.5 mg./l |
| Connon - Goyer Ditch | Kokomo | NS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | -- | 1.5 | E. coli> 235/100 ml.<br>D. O. <4.0 mg/l |
| Kokomo Creek | Kokomo | NS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli<br>D.O.<br>PCBs | 5.2 | E. coli> 235/100 ml.<br>D.O. < 4.0 mg/l<br>No fish should be eaten.<br>Fish Consumption Advisory |
| Kokomo Creek | Kokomo | NS (Aquafle Life)<br>NS (Recreational) | Monitored (c) | E. coli<br>D.O.<br>Ammonia<br>PCBs | 4.2 | E. coli> 235/100 ml.<br>D.O. <4.0 mg/l<br>NH3 high<br>No fish should be eaten.<br>Fish Consumption Advisory |
| Zauss/Finn Ditch | Kokomo | FS (Aquatic Life)<br>NS (Recreational) | Evaluated | E. coli | 3.5 | -- |

**APPENDIX C (Continued)**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE**
**CLEAN WATER ACT SECTION 305(b) REPORT**
**1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Tolle Dtich | Kokomo | FS (Aquatic Life)<br>FS (Recreational) | Evaluated | B | 1.2 -- | |
| Pickering Dtich | Kokomo | FS (Aquatic Life)<br>NS (Recreational) | Evaluated | E. coli | 1.2 -- | |
| Muggs - Ingels Ditch | Kokomo | FS (Aquatic Life)<br>FS (Recreational) | Evaluated | B | 2.4 -- | |
| Martin - Youngman<br>Scott - Youngman | Kokomo | FS (Aquatic Life)<br>FS (Recreational) | Evalauted | B | 2.7 -- | |
| Little Wildcat Creek East Fork/Kelly West Ditch | Kokomo | NS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli<br>CBOD<br>D.O. | 6 | E. coli> 235/100 ml.<br>D. O. < 4.0 mg/l<br>CBOD, from facility discharging to Kelly West Ditch |
| Little Wildcat Creek West Fork | Kokomo | FS (Aquatic Life)<br>NS (Recreational) | Monitored(c) | E. coli | 5.7 | E. coli> 235/100 ml. |

**APPENDIX C (Continued)**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT 1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Little Wildcat Creek | Kokomo | NS(Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli<br>D.O. | 6.1 | E. coli> 235/100 ml. |
| Claus Creek | Kokomo | FS (Aquatic Life)<br>FS (Recreational) | Evaluated | B | 0.5 -- | |
| William Vogus Ditch | Kokomo | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 2.9 | E. coli> 235/100 ml. |
| Butler Dtich | Kokomo | FS (Aquatic Life)<br>FS (Recreational) | Evaluated | B | 1.3 -- | |
| Honey Creek | Kokomo | NS (Aquatic Life)<br>NS (Recreational) | Monitored (c)<br>I | E. coli<br>D.O. | 7.4 | D.O. of 3.0 mg/l |
| West Honey Creek | Russiaville | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 4.1 | E. coli> 235/100 ml. |
| Walnut Fork | Russiaville | FS (Aquatic Life) | Evaluated | B | 1.7 -- | |

**APPENDIX C (Continued)**
**WILDCAT CREEK WATERSHED WATERS ASSESSED IN THE CLEAN WATER ACT SECTION 305(b) REPORT 1994-95**

| Waterbody | Nearest Town(s) | Status of Designated Use Support | Method of Assessments | Probable Cause of Impairment | Miles Affected | Comments |
|---|---|---|---|---|---|---|
| Petes Run/Burchard Division Ditch | Burlington | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | B | 5.8 | E. coli> 235/100 ml. |
| Hurricane Creek/ Unnamed Tributary | Burlington | FS (Aquatic Life)<br>NS (Recreational) | Evaluated | E. coli | 3.3 | -- |
| South Fork Wildcat Creek | Entire Length | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 41 | -- |
| Middle Fork Wildcat Creek | Hillsburg | FS (Aquatic Life)<br>NS (RecrCational) | Monitored (c) | E. coli | 33 | Agricultural activity. |
| Silverthorn Tributary | Rossville | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 2.6 | Agricultural activity. Limited use Stream. |
| Cambells Run | Rossville | FS (Aquatic Life)<br>NS (Recreational) | Monitored (c) | E. coli | 14 | Agricultural activity. |

Notes:

PS: Partial Support
NS: Non Support
FS: Full Support

b: Biological
c: Chemical

**PART I**
**APPENDIX D**

# LOCAL, STATE, AND FEDERAL

# WATERSHED STAKEHOLDERS

# WILDCAT CREEK WATERSHED

# LOCAL WILDCAT CREEK WATERSHED STAKEHOLDERS

**Carroll County**

Carroll County Health Department
Courthouse, 101 W Main
Delphi, IN 46923-1566
(765) 564-3420

Carroll County SWCD
1523 N. US Hwy. 421, Suite #2
Delphi, IN 46923-9396
(765) 564-4480

Purdue University Cooperative Extension Service - Carroll County
1523 N. U.S. Highway 421, Suite 3
Delphi, IN 46923-0317
(765) 564-3169

Carroll County Plan Comm
101 W Main St
Delphi, IN
(765) 564-4468

Carroll County Surveyor
101 W Main St
Delphi, IN
(765) 564-3310

US Consolidated Farm Svc Agcy
1523 N US Highway 421
Delphi, IN
(765) 564-2849

**Clinton County**

Clinton County Health Department
211 North Jackson Street
Frankfort, IN 46041-1936
(765) 659-6385

Community Planner
Clinton County
185 Courthouse Square
Frankfort, IN 40041
(765) 659-0200

Purdue University Cooperative Extension Service - Clinton County
1701 South Jackson
Frankfort, IN 46041
(765) 659-6380
Frankfort, IN
(765) 659-1223

Frito-Lay, Inc.
323 South County Road 300 West
Frankfort, IN 46041
(765) 659-6575

Precision Power
7701 North County Road 500 West
Rossville, IN 46065-9506

Clinton County SWCD
Locally-Led Watershed Group
860 S. Prairie Ave, Suite 1
Frankfort, IN 46041-7439
(765) 659-3971

City of Frankfort
Mayor Harold Woodruff
301 E Clinton St
Frankfort, IN 46041

Clinton County Chamber of Commerce
52 West Clinton Street
Frankfort, IN 46041

Clinton Area Planning Comm
180 Courthouse Sq
Frankfort, IN
(765) 659-6302

Clinton County Commissioners
125 Courthouse Sq
Frankfort, IN
(765) 659-6309

Clinton County Surveyor
165 Courthouse Sq
Frankfort, IN
(765) 659-6300

Frankfort Mayor's Office
301 E Clinton St
Frankfort, IN
(765) 654-7332

Frankfort Wastewater Treatment
45 W County Road 100 N
Frankfort, IN
(765) 659-4741

Farm Svc Agcy
860 S Prairie Ave # 2

**Grant County**

Grant County Health Department

## LOCAL WILDCAT CREEK WATERSHED STAKEHOLDERS

Courthouse Complex, 401 S Adams St
Marion, IN 46953-2031
(765) 651-2404

Grant County SWCD
1113 East 4th Street
Marion, IN 46952-4211
(765) 668-8985

Purdue University Cooperative Extension Service - Grant County
401 S. Adams Street
Marion, IN 46953-2035
(765) 651-2413

Grant County Commissioners Ofc
401 S Adams St
Marion, IN
(765) 668-8871

Grant County Surveyors Office
401 S Adams St
Marion, IN
(765) 668-8871

US Consolidated Farm Svc Agcy
1111 E 4th St
Marion, IN
(765) 668-8983

**Howard County**

Howard County Health Department
Division of Environmental Health
120 E. Mulberry Street Room 210
Kokomo, IN 46901-4657
(765) 456-22408

Kokomo - Howard County Plan Commission
120 E. Mulberry Suite #114
Kokomo, IN 46901
(765) 456-2330

Howard County Solid Waste District
120 E. Mulberry Street
Kokomo, IN 46901

Indiana American Water Co.
P.O. Box 740
Kokomo, IN 46903
(765) 457-5563
Anderson, IN 46016-1582
(765) 641-9524

Madison County SWCD

Howard County SWCD
1103 S. Goyer Road
Kokomo, IN 46902-2777
(765) 452-3865

Purdue University Cooperative Extension Service - Howard County
Howard County Government Building
Suite 105, 120 E. Mulberry
Kokomo, IN 46901-4660

City of Kokomo
Mayor=s Office
100 S. Union Street
Kokomo, IN 46901

Kokomo Chamber of Commerce
106 N Washington St
Kokomo, IN 46901

Howard County Commissioners
117 N Main St
Kokomo, IN
(765) 456-2234

Howard County Surveyor
104 N Buckeye St
Kokomo, IN
(765) 456-2217

Kokomo Municipal Sanitation
100 S Union St
Kokomo, IN
(765) 456-7360

Kokomo Wastewater Treatment
1501 W Markland Ave
Kokomo, IN
(765) 457-5509

US Consolidated Farm Svc Agcy
1103 S Goyer Rd
Kokomo, IN
(765) 457-2114

**Madison County**

Madison County Health Department
County Gov't Center, 16 E 9th St

2200 Madison Square Suite D
Anderson, IN 46011-9548
(765) 644-8530

## LOCAL WILDCAT CREEK WATERSHED STAKEHOLDERS

Purdue University Cooperative Extension Service -
Madison County
Madison County Gov=t Center, 16 E 9th St.
Anderson, IN 46016-1538
(765) 641-9517

Madison County Commissioner
16 E 9th St
Anderson, IN
(765) 641-9474

Madison County Drainage Board
16 E 9th St
Anderson, IN
(765) 641-9687

Madison County Surveyor
16 E 9th St
Anderson, IN
(765) 641-9638

Madison Planning Commission
16 E 9th St
Anderson, IN
(765) 641-9541

US Consolidated Farm Svc Agcy
2200 Madison Sq #C
Anderson, IN
(765) 644-4249

**Tippecanoe County**

Tippecanoe County Health Department
20 N 3rd St
Lafayette, IN 47901-1211
(765) 423-9221

Tippecanoe County Parks Dept.
4449 St. Rd. 43 N
W. Lafayette, IN 46923

Greater Lafayette Chamber of Commerce
Purdue University
1665 L.J. Freehafer Hall
401 South Grant Street
West Lafayette, IN 47907-1665
(765) 494-4637

Tippecanoe County SWCD
1000 S Main St
Tipton, IN 46072-1901
(765) 675-8741

Tipton County SWCD
243 Ash Street

Locally-Led Watershed Group
184 Professional Court
Lafayette, IN 47905-5153
(765) 448-1810

City of Lafayette
Mayor David Heath
City Hall
20 North 6th Street
Lafayette, IN 47901

Purdue University Cooperative Extension Service -
Tippecanoe County
3150 Sagamore Parkway South
Lafayette, IN 47905-5156
(765) 474-0793

Lafayette Water Pollution Cntl
1700 Wabash Ave
Lafayette, IN
(765) 742-1424

Tippecanoe Area Planning
20 N 3rd St
Lafayette, IN
(765) 423-9242

Tippecanoe Cnty Commissioners
20 N 3rd St
Lafayette, IN
(765) 423-9215

Tippecanoe County Drainage Brd
20 N 3rd St
Lafayette, IN
(765) 423-9228

Tippecanoe County Surveyor
20 N 3rd St
Lafayette, IN
(765) 423-9228

US Consolidated Farm Svc Agcy
180 Professional Ct
Lafayette, IN
(765) 448-1805

**Tipton County**

Tipton County Health Department
Box 303A
Tipton, IN 46072-1927
(765) 675-7836

Purdue University Cooperative Extension Service - Tipton County

## LOCAL WILDCAT CREEK WATERSHED STAKEHOLDERS

101 E. Jeferson Street
P.O. Box 70
Tipton, IN 46072-0070
(765) 675-2694

(317) 685-8800

Tipton County Solid Waste Mgmt
957 E Jefferson St
Tipton, IN
(765) 675-9006

Tipton County Commissioners
101 E Jefferson St
Tipton, IN
(765) 675-7921

Tipton County Farm Svc Agency
243 Ash St
Tipton, IN
(765) 675-2316

Tipton County Planning Comm
101 E Jefferson St #111
Tipton, IN
(765) 675-6063

**Watershed-wide**

Wildcat Creek Solid Waste District
2780 N 9th Street Rd
Lafayette, IN
(765) 423-2858

Indiana Rivers, Inc.
2509 Kickapoo Dr.
Lafayette, IN 47905
(765) 477-7948

Wildcat Creek Foundation
4050 Sylvan Trail
W. Lafayette, IN 47906

Wildcat Guardians
P.O. Box 6421
Kokomo, IN 46904-6421
(765) 628-3155

Wildcat Creek Advisory Group
Indiana Department of Natural Resources
402 W. Washington Street, W271
Indianapolis, IN 46204
(317) 232-4070

Hoosier Environmental Council
1002 E. Washington
Suite 300
Indianapolis, IN 46202

**STATE WILDCAT CREEK WATERSHED STAKEHOLDERS**

**Indiana Farm Bureau**
225 S East St
Indianapolis, IN 46202

**Indiana Department of Environmental Management**
100 N. Senate Ave
P.O. Box 6015
Indianapolis, IN 46206-6015

IDEM Switchboard
(317) 232-8603 or (800) 451-6027

| | |
|---|---|
| Agricultural Liaison | (317) 232-8587 |
| Air Management | (317) 233-0178 |
| Community Relations | (317) 233-6648 |
| Compliance and Technical Assistance | (317) 232-8172 |
| Criminal Investigations | (317) 232-8128 |
| Enforcement | (317) 233-5529 |
| Environmental Response | (317) 308-3017 |
| Legal Counsel | (317) 232-8493 |
| Media and Communication Services | (317) 232-8560 |
| Pollution Prevention and Technical Assistance | (317) 232-8172 |
| Solid and Hazardous Waste Management | (317) 233-3656 |
| Water Management | (317) 232-8670 |

**Indiana Department of Natural Resources**
402 West Washington Street
Indianapolis, IN 46204-2748

*IDNR Field Representatives are located in the individual County SWCDs.*

| | |
|---|---|
| Division of Engineering | (317) 232-4150 |
| Division of Entomology and Plant Pathology | (317) 232-4120 |
| Division of Fish & Wildlife | (317) 232-4080 |
| Division of Forestry | (317)-232-4105 |
| Division of Historic Preservation & Archaeology | (317) 232-1646 |
| Division of Law Enforcement | (317) 232-4010 |
| Division of Nature Preserves | (317)-232-4052 |
| Division of Oil and Gas | (317) 232-4055 |
| Division of Outdoor Recreation | (317)-232-4070 |
| Division of Public Information and Education | (317) 232-4200 |
| Division of Reclamation | (317)-232-1547 |
| Division of Safety and Training | (317) 232-4145 |
| Division of Soil Conservation | (317)-233-3870 |
| Division of State Parks and Reservoirs | (317)-232-4124 |
| Division of Water | (317)-232-4160 |

**Indiana State Department of Health**
2 North Meridian St.
Indianapolis, IN 46204
(317) 233-1325

**FEDERAL WILDCAT CREEK WATERSHED STAKEHOLDERS**

**Natural Resources Conservation Service**
6013 Lakeside Blvd
Indianapolis, In 46278
(317) 290-3200

*NRCS Field Representatives are located in the individual Counties.*

**U.S. EPA Region 5**
77 West Jackson Blvd
Chicago, IL 60604
(312) 353-2000
(800) 632-8431

**U.S. Army Corps of Engineers**
**Louisville District**
Dr. Martin Luther King Jr. Place
Louisville, KY 40202

# PART I
# APPENDIX E

# FUNDING SOURCES

This listing of funding sources was derived from the November 1998 *Watershed Action Guide for Indiana*, which is available from the Watershed Management Section of IDEM.

## FEDERAL CONSERVATION AND WATERSHED PROGRAMS

### Environmental Protection Agency

**Section 319, 604(b), and 104(b)3 Grants**
grants for conservation practices, water body assessment, watershed planning, and watershed projects. Available to non-profit or governmental entities. These monies, enabled by the clean water act, are funneled through the indiana department of environmental management. *See IDEM for details.*

### U.S. Department of Agriculture *(See county listings for local federal agency contacts.)*

**EQIP**: Environmental Quality Incentive Program. Administered by the Natural Resources Conservation Service. Conservation cost-share program for implementing Best Management Practices, available to agricultural producers who agree to implement a whole-farm plan that addresses major resource concerns. Up to $50,000 over a 5- to 10-year period. Some parts of the state are designated Conservation Priority Areas and receive a larger funding allotments.

**WRP**: Wetland Reserve Program. Administered by the Natural Resources Conservation Service. Easement and restoration program to restore agricultural production land to wetland. Easements may be for 10 years, 30 years, or permanent. Longer easements are preferred. Partnerships with other acquisition programs are encouraged. Restoration and legal costs are paid by NRCS. Landowner retains ownership of the property and may use the land in ways that do not interfere with wetland function and habitat, such as hunting, recreational development, and timber harvesting.

**CRP**: Conservation Reserve Program. Administered by the Farm Service Agency with technical assistance from NRCS. Conservation easements in certain critical areas on private property. Agricultural producers are eligible. Easements are for 10 or 15 years, depending on vegetative cover, and compensation payments are made yearly to replace income lost through not farming the land. Cost share is available for planting vegetative cover on restored areas.

**WHIP**: Wildlife Habitat Incentive Program. Administered by the Natural Resources Conservation Service. Cost share to restore habitat on previously farmed land. Private landowners who are agricultural producers are eligible. Cost share up to 75%, and contracts are for 10 years.

**FIP**: Forestry Incentive Program. Administered by the Natural Resources Conservation Service. Cost-share to assist forest management on private lands. Funds may be limited.

**U.S. Fish & Wildlife Service**

Partners for Wildlife: assistance for habitat restoration.

## STATE CONSERVATION AND WATERSHED PROGRAMS

**IDNR Division of Soil Conservation**

**LARE**: Lake & River Enhancement Program. Funds diagnostic and feasibility studies in selected watersheds and cost-share programs through local Soil & Water Conservation Districts. Project oversight provided through county-based Resource Specialists and Lake & River Enhancement Watershed Coordinators. Funding requests for Watershed Land Treatment projects must come from Soil & Water Conservation Districts. If a proposed project area includes more than one district, the affected SWCDs should work together to develop an implementation plan. The SWCDs should then apply for the funding necessary to administer the watershed project. Before applying for funding, the SWCDs should contact the Lake & River Enhancement Coordinators to determine (1) the appropriate watershed to include in the project, (2) if the proposed project meets the eligibility criteria, and (3) if funding is available.

**IDNR Division of Fish & Wildlife**

**Classified Wildlife Habitat Program**: Incentive program to foster private wildlife habitat management through tax reduction and technical assistance. Landowners need 15 or more acres of habitat to be eligible. IDNR provides management plans and assistance through District Wildlife Managers. See county listings.

**Wildlife Habitat Cost-share Program**: Similar to above.

**IDNR Division of Forestry**

**Classified Forest Program**: Incentive program to foster private forest management through tax reduction and technical assistance. Landowners need 10 or more acres of woods to be eligible. IDNR provides management plans and assistance through District Foresters. (See county listings.)

**Classified Windbreak Act**: Establishment of windbreaks at least 450 feet long adjacent to tillable land. Provides tax incentive, technical assistance through IDNR District Foresters.

**Forest Stewardship Program & Stewardship Incentives Program**: Cost share and technical assistance to encourage responsibly managed and productive private forests.

**IDNR Division of Reclamation**

**Appalachian Clean Streams Initiative:** Funds for acid mine drainage abatement.

**IDNR Division of Nature Preserves**

**State Nature Preserve Dedication**: Acquisition and management of threatened habitat.

**IDEM Office of Water Management**

**State Revolving Fund**: Available to municipalities and counties for facilities development. Will be available in 1999 for nonpoint source projects as well. Funding is through very low-interest loans.

**Section 319 Grants**: Available to nonprofit groups, municipalities, counties, and institutions for implementing water quality improvement projects that address nonpoint source pollution concerns. Twenty-five % match is required, which may be cash or in-kind. Maximum grant amount is $112,500. Projects are allowed two years for completion. Projects may be for land treatment through implementing Best Management Practices, for education, and for developing tools and applications for state-wide use.

**Section 205(j) Grants, formerly called 604(b) Grants**: Available to municipalities, counties, conservation districts, drainage districts. These are for water quality management projects such as studies of nonpoint pollution impacts, nonagricultural NPS mapping, and watershed management projects targeted to Northwest Indiana (including BMPs, wetland restoration, etc.)

**Section 104(b)(3) Grants**: These are watershed project grants for innovative demonstration projects to promote statewide watershed approaches for permitted discharges, development of storm water management plans by small municipalities, projects involving a watershed approach to municipal separate sewer systems, and projects that directly promote community based environmental protection. NOTE: the application time frame for IDEM=S grants programs is annually, by March 31st.

## PRIVATE FUNDING SOURCES

**National Fish and Wildlife Foundation**

1120 Connecticut Avenue, NW Suite 900, Washington DC 20036. Nonprofit, established by Congress 1984, awards challenge grants for natural resource conservation. Federally appropriated funds are used to match private sector funds. Six program areas include wetland conservation, conservation education, fisheries, migratory bird conservation, conservation policy, and wildlife habitat.

**Individual Utilities**

Check local utilities such as IPALCO, CINergy, REMC, NIPSCO. Many have grants for educational and environmental purposes.

**Indiana Hardwood Lumbermen=s Association**

Indiana Tree Farm Program

**The Nature Conservancy**

*Land acquisition and restoration.*

Southern Lake Michigan Conservation Initiative
Blue River Focus Area
Fish Creek Focus Area
Natural Areas Registry
Hoosier Landscapes Capitol Campaign

**Conservation Technology Information Center (CTIC)**

>*Know Your Watershed*= educational materials are available

**Indiana Heritage Trust**

*Land acquisition programs*

**Ducks Unlimited**

*Land acquisition and habitat restoration assistance*

**Quail Unlimited**

**Pheasants Forever**

**Sycamore Land Trust**

**Acres Inc.**

*Land trust*

**Oxbow, Inc.**

*Land trust*

## SOURCES OF ADDITIONAL FUNDING OPPORTUNITIES

***Catalog of Federal Funding Sources for Watershed Protection***

EPA Office of Water (EPA841-B-97-008) September 1997

**GrantsWeb: http://web.fie.com/cws/sra/resource.htm**